

Total No. of Printed Pages—3

CODE : 33VT AET (Pr-I)

(EN)

2026

Suggestive Question Paper for
AUTOMOBILE ENGINEERING TECHNOLOGY
(Automotive Electrical Systems)

Practical Paper : I

Full Marks : 40

Pass Marks : 16

Time : 3 hours

*The figures in the margin indicate full marks
for the questions.*

<p>Note : The question paper for 2026 Exam has to be prepared on this basis without repeating from the suggestive questions as far as practicable.</p>

Contd.

Practical Work

Practical work perform **any one** practical work from Q. No. 1 to Q. No. 4.

1. (a) Dismount the battery from a four wheeler and check the level and specific gravity of the electrolyte inside the cells of the battery. Note down the specific gravity of the electrolyte. Charge the battery if the s.p. of the electrolyte is found below normal. 10
(b) Write down step by step procedure for the work performed in (a) above. 5
 2. Dismount the D.C generator from a four wheeler and identify the various components. Clean and check all the parts. Replace the faulty part/parts. Reassemble all the parts of the generator. Refit the generator on the vehicle again. 15
 3. Dismount the ignition system from a four wheeler and identify its various components. Dismantle and clean the various components. Check the ignition coil and spark plug and replace if found faulty. Reassemble all the parts of the ignition system. Refit the ignition system on the vehicle. 15
 4. (a) Observe carefully the wiring diagrams of the Lighting system of a four wheeler and identify the components and their locations indicated on the wiring diagram.
(b) Check the various lights and switch of a four wheeler. Replace the light(s) and switch(es) if it is found to be faulty.
 5. Written test. 5
- N.B.** The external examiner will have to set question for this test as per the practical work done by each individual candidate.
6. Viva voce. 5
(Project Work/Field Visit)
 7. Practical File/Student's Portfolio. 10
 8. Viva voce. 5

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Suggestive Question Paper for

AUTOMOBILE ENGINEERING TECHNOLOGY

(Automotive Servicing and Garage Management)

Practical Paper : II

Full Marks : 40

Pass Marks : 16

Time : 3 hours

Candidates shall note that each question will be bilingual, viz., in English/Assamese medium, for their ready reference. In case of any discrepancy or confusion in the medium/version, the English version will be considered as the authentic version.

***The figures in the margin indicate full marks
for the questions.***

<p>Note : The question paper for 2026 Exam has to be prepared on this basis without repeating from the suggestive questions as far as practicable.</p>

Contd.

Practical Work

Practical work perform **any one** practical work from Q.No. 1 to Q. No. 4.

1. (a) Identify the various tools given to you for servicing of a four wheeler. 5
(b) Wash the four wheeler and change the engine oil. 5
(c) Replace the oil filter, air filter and spark plug. 5
2. Dismantle the dynamo given to you and check the various parts in it. Replace the damage part(s). Now reassemble all the parts of the dynamo carefully. Now check if the dynamo is working properly or not. 15
3. Dismantle the clutch given to you and check its wear and tear. Carry out the servicing work and replace worn out parts. Reassemble it. Write the procedure and list all tools and equipment necessary. 15
4. Prepare a layout diagram of a service station showing all details. 15
5. Written test. 5

N.B. The external examiner will have to set questions for this test as per the practical work done by each individual candidate.

6. Viva voce. 5

Project Work/Field Visit

7. Practical File/Student Portfolio. 10
8. Viva voce. 5